

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 06/02/2016 11:42 AM
Cytometer Baseline: 04/21/2016 10:14 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 51739, **Expiration Date:** 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124885	-1	3.49	124855	3.46
Blue	F	SSC	125000	123953	-1	5.73	125116	5.68
Blue	E	FITC	17316	16707	-4	4.26	940	9.72
Blue	D	PE	22501	21808	-4	3.93	978	8.94
Blue	B	PerCP-Cy5-5	67647	67834	0	4.35	1785	13.72
Blue	A	PE-Cy7	80682	81262	0	5.21	1064	25.93
Red	C	APC	64263	63427	-2	2.66	3571	8.34
Red	A	APC-Cy7	96129	93954	-3	2.69	1870	8.08
Violet	B	V450	11714	11335	-4	3.60	704	8.17
Violet	A	V500	48394	47508	-2	3.27	2686	6.08

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19571	4.70	597	8	N/A	N/A	Pass
Blue	F	SSC	61713	4.80	521	7	N/A	N/A	Pass
Blue	E	FITC	102	36.11	519	-1	0.0244	123	Pass
Blue	D	PE	201	25.99	514	0	0.1725	174	Pass
Blue	B	PerCP-Cy5-5	217	40.19	610	3	0.0110	8	Pass
Blue	A	PE-Cy7	78	101.31	667	4	0.0139	8	Pass
Red	C	APC	335	26.64	585	0	0.0200	0	Pass
Red	A	APC-Cy7	119	38.12	564	-1	0.0046	748	Pass
Violet	B	V450	74	39.43	460	4	0.0422	1285	Pass
Violet	A	V500	175	21.47	492	5	0.0127	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.05	-30.88	0.79
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.31
Red	16.19	13.28 - 19.92	N/A	N/A	31.51	31.63	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10842

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments